

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/705,398
Source: ILFW 16
Date Processed by STIC: 06/16/2005

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/705,398

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
 - 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
 - 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
 - 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
 - 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
 - 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
 - 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
 - 8 Skipped Sequences Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 (NEW RULES) <210> sequence id number
 <400> sequence id number
 000
 - 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
 - 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
 - 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.

Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
 - 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
 - 13 Misuse of n/Xaa "n" can **only** represent a single **nucleotide**; "Xaa" can **only** represent a single amino acid



IFW16

RAW SEQUENCE LISTING

DATE: 06/16/2005

PATENT APPLICATION: US/10/705,398

TIME: 12:16:36

Input Set : A:\10634-002002.txt

Output Set: N:\CRF4\06162005\J705398.raw

4 <110> APPLICANT: Liao, Shutsung
 5 Song, Ching
 8 <120> TITLE OF INVENTION: STEROID DERIVATIVES
 11 <130> FILE REFERENCE: 10634-002002
 13 <140> CURRENT APPLICATION NUMBER: US 10/705,398
 C--> 14 <141> CURRENT FILING DATE: 2203-11-10
 16 <150> PRIOR APPLICATION NUMBER: US 09/560,236
 17 <151> PRIOR FILING DATE: 2000-04-28
 19 <150> PRIOR APPLICATION NUMBER: US 60/191,864
 20 <151> PRIOR FILING DATE: 2000-03-24
 22 <150> PRIOR APPLICATION NUMBER: US 60/131,728
 23 <151> PRIOR FILING DATE: 1999-04-30
 26 <160> NUMBER OF SEQ ID NOS: 12
 28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 16
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature
 40 <222> LOCATION: 7-10
 41 <223> OTHER INFORMATION: n = a, g, t or c
 43 <400> SEQUENCE: 1
 W--> 44 aggtcannnn aggtca 16
 47 <210> SEQ ID NO: 2
 48 <211> LENGTH: 57
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
 55 <220> FEATURE:
 56 <221> NAME/KEY: misc_feature
 57 <222> LOCATION: 16-18, 22-27, 34-39
 58 <223> OTHER INFORMATION: n =a, g, t or c
 60 <400> SEQUENCE: 2
 W--> 61 gtatcgccgg aattcnnntt gnnnnnnttg ttgnnnnnnt aagtcgactc tagagcc 57
 63 <210> SEQ ID NO: 3
 64 <211> LENGTH: 57
 65 <212> TYPE: DNA
 66 <213> ORGANISM: Artificial Sequence
 68 <220> FEATURE:

Does Not Comply
Corrected Diskette Needed

(pg-3)

RAW SEQUENCE LISTING

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Input Set : A:\10634-002002.txt

Output Set: N:\CRF4\06162005\J705398.raw

```

69 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: 19-24, 31-36, 40-43
74 <223> OTHER INFORMATION: n = a, g, t or c
76 <400> SEQUENCE: 3
W--> 77 ggctctagag tcgacttann nnnncaacaa nnnnnncaan nngaattccg gcgatac 57
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 57
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
87 <400> SEQUENCE: 4
88 gtatcgccgg aattcatctt gcacagattg ttgcaagaat aagtcgactc tagagcc 57
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 57
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
98 <400> SEQUENCE: 5
99 ggctctagag tcgacttatt cttgcaacaa tctgtgcaag atgaattccg gcgatac 57
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 60
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
109 <220> FEATURE:
110 <221> NAME/KEY: misc_feature
111 <222> LOCATION: 16-18, 22-27, 37-42
112 <223> OTHER INFORMATION: n = a, g, t or c
114 <400> SEQUENCE: 6
W--> 115 gtatcgccgg aattcnnntt gnnnnntgg ttgttgnnnn nntaagtoga ctctagagcc 60
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 60
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
126 <220> FEATURE:
127 <221> NAME/KEY: misc_feature
128 <222> LOCATION: 19-24, 34-39, 43-45
129 <223> OTHER INFORMATION: n = a, g, t or c
131 <400> SEQUENCE: 7
W--> 132 ggctctagag tcgacttann nnnncaacaa ccannnnnc aannngaatt ccggcgatac 60
135 <210> SEQ ID NO: 8
136 <211> LENGTH: 5

```

RAW SEQUENCE LISTING

DATE: 06/16/2005

PATENT APPLICATION: US/10/705,398

TIME: 12:16:36

Input Set : A:\10634-002002.txt

Output Set: N:\CRF4\06162005\J705398.raw

137 <212> TYPE: PRT
 138 <213> ORGANISM: Artificial Sequence
 140 <220> FEATURE:
 141 <223> OTHER INFORMATION: Motif
 143 <220> FEATURE:
 144 <221> NAME/KEY: VARIANT
 145 <222> LOCATION: 2, 3
 146 <223> OTHER INFORMATION: Xaa = any amino acid
 148 <400> SEQUENCE: 8
 W--> 149 Leu Xaa Xaa Leu Leu
 150 1 5
 153 <210> SEQ ID NO: 9
 154 <211> LENGTH: 6
 155 <212> TYPE: PRT
 156 <213> ORGANISM: Artificial Sequence
 158 <220> FEATURE:
 159 <223> OTHER INFORMATION: Motif
 161 <220> FEATURE:
 162 <221> NAME/KEY: VARIANT
 163 <222> LOCATION: 2, 3
 164 <223> OTHER INFORMATION: Xaa = any amino acid
 166 <400> SEQUENCE: 9
 W--> 167 Leu Xaa Xaa Trp Leu Leu
 168 1 5
 171 <210> SEQ ID NO: 10
 172 <211> LENGTH: 26
 173 <212> TYPE: DNA
 174 <213> ORGANISM: Artificial Sequence
 176 <220> FEATURE:
 177 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
 179 <400> SEQUENCE: 10
 180 ttcaggtcac aggaggtcag agagct 26
 182 <210> SEQ ID NO: 11
 183 <211> LENGTH: 27
 184 <212> TYPE: DNA
 185 <213> ORGANISM: Artificial Sequence
 187 <220> FEATURE:
 188 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
 190 <400> SEQUENCE: 11
 191 tcgagctctgg tacaggggtgt tcttttg 27
 193 <210> SEQ ID NO: 12
 194 <211> LENGTH: 16
 195 <212> TYPE: DNA
 196 <213> ORGANISM: Artificial Sequence
 198 <220> FEATURE:
 199 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
 201 <400> SEQUENCE: 12
 202 aggtcaagcc aggtca 16

Invalid Response
See Item # 11 in
Summary sheet

Same Error

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/705,398

DATE: 06/16/2005
TIME: 12:16:37

Input Set : A:\10634-002002.txt
Output Set: N:\CRF4\06162005\J705398.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 7,8,9,10
Seq#:2; N Pos. 16,17,18,22,23,24,25,26,27,34,35,36,37,38,39
Seq#:3; N Pos. 19,20,21,22,23,24,31,32,33,34,35,36,40,41,42
Seq#:6; N Pos. 16,17,18,22,23,24,25,26,27,37,38,39,40,41,42
Seq#:7; N Pos. 19,20,21,22,23,24,34,35,36,37,38,39,43,44,45
Seq#:8; Xaa Pos. 2,3
Seq#:9; Xaa Pos. 2,3

VERIFICATION SUMMARYPATENT APPLICATION: **US/10/705,398**

DATE: 06/16/2005

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Input Set : **A:\10634-002002.txt**Output Set: **N:\CRF4\06162005\J705398.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0

L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0